

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** Keszler et al.

**Application No.** 10/520,364

**Filed:** January 3, 2005

**Confirmation No.** 9829

**For:** BORATE CRYSTALS FOR OPTICAL  
FREQUENCY CONVERSION

**Examiner:**

**Art Unit:** 1712

**Attorney Reference No.** 245-66172-02

**CERTIFICATE OF FILING.**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being filed via EFS on the date shown below.

Attorney or Agent  
for Applicant(s) /Stacey C. Slater/

Date Filed April 26, 2007

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

Filed via EFS on April 26, 2007.

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	245-66172-02
Application Number	10/520,364
Filing Date	January 3, 2005
First Named Inventor	Keszler
Art Unit	1712
Examiner Name	

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patente

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patente

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		Keszler, Douglas A., "Borates for optical frequency conversion," <i>J. Current Opinion in Solid State &amp; Materials Science</i> Vol 1, 1996, pages 204-211.
		Peterson, Gregory A., "Studies on New Solid-State Inorganic Borates and Oxoanion Fluorides." Chapter 1, pages 1-7, 1999 Ph.D. Thesis.
		Peterson, Gregory A. <i>et al.</i> , "Trigonal Huntite Borate CeSc <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (CSB)," Chapter 2, pages 14-16, 1999 Ph.D. Thesis.

EXAMINER SIGNATURE:	DATE CONSIDERED:
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\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	245-66172-02
		Application Number	10/520,364
		Filing Date	January 3, 2005
		First Named Inventor	Keszler
		Art Unit	1712
		Examiner Name	
Examiner's Initials*	Cite No. (optional)	<b>OTHER DOCUMENTS</b>	
		Peterson, Dr. Gregory A., "Huntite Crystals for UV Nonlinear Optics and Self-Doubled Lasers," <i>Scientific Materials Corp.</i> , (Abstract Ballistic Missile Defense Organization Counsel, 2001.)	
		Meyn, Jan-Peter <i>et al.</i> , "Spectroscopic Properties and Efficient Diode-Pumped Laser Operation of Neodymium-Doped Lanthanum Scandium Borate," <i>J. of Quantum Electronics</i> 30(4), 1994, 913-917.	
		Ostromov, V. <i>et al.</i> , "Crystal growth, spectroscopic and laser characterization of Nd : CSB crystals," <i>J. of Luminescence</i> 72-74, 1997, 826-828.	
		Ye, Ning <i>et al.</i> , "Nonlinear Optical Crystal Y <sub>x</sub> La <sub>y</sub> Sc <sub>z</sub> (BO <sub>3</sub> ) <sub>4</sub> (x+y+z=4)," <i>Chem. Mater.</i> 17, 2005, 2687-2692.	
		Ye, Ning <i>et al.</i> , "Growth of nonlinear optical crystal Y <sub>0.57</sub> La <sub>0.72</sub> Sc <sub>2.71</sub> (BO <sub>3</sub> ) <sub>4</sub> ," <i>J. of Crystal Growth</i> 292, 2006, 464-467.	

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